EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	414	(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 12:48
L2	7	L1 and(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel)same living adj body same(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 12:59
L3	1	L2 and(@ad<"20050613" or @rlad<"20050613" or @prad<"20050613" or @ptad<"20050613")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:00
L4	0	L2 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:00
L5	414	L1 and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:08
L6	42	L5 and(LED or light adj emitted adj diode or infrared adj diode)and traveling and preventing and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:11

L7	36	L6 and interface and(finger adj vein or finger-vien or fingervein or blood adj vessel) and living adj body and(ccd or camera or image$1)and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:14
L8	26	L7 and(@ad<"20050613" or @rlad<"20050613" or @prad<"20050613" or @ptad< "20050613")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:14
L9	19	L7 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:14
L10	0	L5 and(LED or light adj emitted adj diode or infrared adj diode)same traveling same preventing same(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel)same living adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:17
L11	0	L5 and interface same(finger adj vein or finger-vien or fingervein or blood adj vessel) same living adj body same(ccd or camera or image$1)same(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 13:19
L12	1	L5 and interface same opening same direction same(ccd or camera or image$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:27
L13	109	L5 and interface and opening and direction and(ccd or camera or image$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:30
L14	46	L13 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:30

L15	184	L5 and (plurality or plural$1)and(LED or light adj emitted adj diode or infrared)and (living adj body or finger adj vein or finger-vien or finger adj vein or blood adj vessel) same(ccd or camera or image$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:36
L16	15	L5 and (plurality or plural$1)same(LED or light adj emitted adj diode or infrared) same(living adj body or finger adj vein or finger-vien or finger adj vein or blood adj vessel)same(ccd or camera or image$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:37
L17	0	L16 and interface same opening same direction same(ccd or camera or image$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:37
L18	4	L16 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:38
L19	2	L18 and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/24 14:55
S1	368	(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:03
S2	0	S1 and interface4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:03
S3	190	S1 and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:04

S4	190	S1 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:05
S5	1	S4 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:07
S6	1	S3 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:08
S7	154	S4 and(@ad<"20050613" or @rlad<"20050613" or @prad<"20050613" or @ptad<"20050613")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:13
S8	108	S4 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:14
S9	35	((NAOTO) near2 (MIURA)).INV.	US-PGPUB; USPAT	OR	ON	2009/04/21 14:24
S10	81	((AKIO) near2 (NAGASAKA)).INV.	US-PGPUB; USPAT	OR	ON	2009/04/21 14:24
S11	112	((TAKAFUMI) near2 (MIYATAKE)).INV.	US-PGPUB; USPAT	OR	ON	2009/04/21 14:25
S12	190	(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:25
S13	12	S9 and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:26

S14	1	S13 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:26
S15	0	S14 and(@ad<"20050613" or @rlad<"20050613" or @prad<"20050613" or @ptad<"20050613")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:27
S16	12	S10 and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:27
S17	1	S16 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:27
S18	20	S11 and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel)and living adj body and(LED or light adj emitted adj diode or infrared adj diode)and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:27
S19	1	S18 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:28
S20	3174	interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)and(LED or light adj emitted adj diode or infrared adj diode)and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:30
S21	3174	interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:30

S22	5	interface same(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)same(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:31
S23	3	S22 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:31
S24	45	interface same(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:33
S25	0	interface same(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1 same(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:34
S26	14	S24 and(LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:35
S27	13	S26 and (comput$3 or processing)and blood adj vessel same image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:36
S28	1	S27 and light adj shielding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:37
S29	3	S27 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:37

S30	0	S29 and interface adj opening same(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:42
S31	0	S29 and interface adj opening and(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:42
S32	34	"6546122"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:43
S33	6	(("(6546122") or ("20040208345") or ("6633656") or ("7280676).pn.")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 14:45
S34	0	S33 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:46
S35	0	S33 and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:46
S36	6	S33 and @ad< "20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:46

S37	99	(("(20060047970") or ("200060182318") or ("20070058841") or ("20080075331") or ("20080112600") or ("20080123905") or ("20080175444") or ("20080211628") or ("20080253620") or ("20080316323") or ("20080317293") or ("20090074316") or ("20090080710") or ("20090092291") or ("20090092296") or ("7184576") or ("20040057605") or ("20070230753") or ("20080063244") or ("20080075332") or ("7273170") or ("7471810") or ("7508957") or ("7508958") or ("20050286744") or ("20060023919") or ("20060038006") or ("20060056664") or ("20060078170") or ("20060080254") or ("20060080547") or ("20060130138") or ("20060143117") or ("20060151599") or ("20060193499") or ("20060193500") or ("20060285726") or ("20070003112") or ("20070022303") or ("20070041620") or ("20070057764") or ("20070074042") or ("20070098223") or ("20070189583") or ("20070206391") or ("20070217660") or ("20080159599") or ("20080205711") or ("20080226136") or ("20080298642") or (").pn.")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 14:51
S38	31	S37 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:51
S39	41	S37 and(@ad<"20050613" or @rlad<"20050613" or @prad<"20050613" or @ptad<"20050613")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:52
S41	12	S39 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:55
S42	12	S41 and (light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:56
S43	12	S42 and(comput$3 or processing)and blood adj vessel same image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:57
S44	0	S43 and interface adj opening and(ccd or camera or image$1)same(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:57

S45	0	S43 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:58
S46	11	S43 and opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 14:58
S47	11	S46 and interface and opening and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:00
S48	7	S47 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:00
S49	0	S48 and interface adj opening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:08
S50	7	S48 and (plural or plurality)same(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:09
S51	0	S50 and direction and perpendicular and longitudinal and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1 and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:12
S52	0	S50 and interface and shape adj concaved and center	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:14

S53	1	S50 and interface and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(motion or movement or moved)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:18
S54	1	S53 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:18
S55	1	S54 and(comput$3 or processing)and(ccd or camera or image$1) adj image$1 and (finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(motion or movement or moved)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:24
S56	1	S54 and(comput$3 or processing)and(ccd or camera or image$1)adj image$1 and (finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(compar$5 or match$3 or composites)and(motion or movement or moved)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:25
S57	1	S56 and interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:27
S58	1	S57 and @ad<"20050613"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/21 15:27
S60	5790	382/124,115,125,127,116,312,190,218,278,126,100,117,191.CCLS.	USPAT	OR	ON	2009/04/21 15:41
S61	20	S60 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	USPAT	OR	ON	2009/04/21 15:42
S62	10	S61 and(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	USPAT	OR	ON	2009/04/21 15:43
S63	8	S62 and(comput$3 or processing)and blood adj vessel same image$1	USPAT	OR	ON	2009/04/21 15:44
S64	6	S63 and interface and opening and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	USPAT	OR	ON	2009/04/21 15:44

S65	5	S64 and(plural or plurality)same(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	USPAT	OR	ON	2009/04/21 15:45
S66	3	S65 and interface and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(motion or movement or moved)	USPAT	OR	ON	2009/04/21 15:46
S67	3	S66 and(comput$3 or processing)and(ccd or camera or image$1) adj image$1 and (finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(motion or movement or moved)	USPAT	OR	ON	2009/04/21 15:47
S68	2	S67 and @ad<"20050613"	USPAT	OR	ON	2009/04/21 15:47
S70	2	S68 and interface	USPAT	OR	ON	2009/04/21 15:48
S71	610	340/5.53,5.83,5.82,5.52,356.ccls.	USPAT	OR	ON	2009/04/21 16:00
S72	10	S71 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	USPAT	OR	ON	2009/04/21 16:01
S73	4	S72 and(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	USPAT	OR	ON	2009/04/21 16:01
S74	4	S73 and(comput$3 or processing)and blood adj vessel same image$1	USPAT	OR	ON	2009/04/21 16:02
S75	4	S74 and interface and opening and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	USPAT	OR	ON	2009/04/21 16:02
S76	2	S75 and(comput$3 or processing)and(ccd or camera or image$1) adj image$1 and (finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body finger or biometrics)and(motion or movement or moved)	USPAT	OR	ON	2009/04/21 16:02
S77	1	S76 and @ad<"20050613"	USPAT	OR	ON	2009/04/21 16:02
S78	2	S70 and @ad<"20050613"	USPAT	OR	ON	2009/04/21 16:04
S79	539	713/186.ccls.	USPAT	OR	ON	2009/04/21 16:06
S80	12	S79 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	USPAT	OR	ON	2009/04/21 16:06
S81	4	S80 and(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	USPAT	OR	ON	2009/04/21 16:06
S82	0	S81 and(comput$3 or processing)and blood adj vessel same image$1	USPAT	OR	ON	2009/04/21 16:06

S83	0	S81 and interface and opening and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	USPAT	OR	ON	2009/04/21 16:07
S84	4	S81 and @ad<"20050613"	USPAT	OR	ON	2009/04/21 16:07
S85	4275	235/380,382.ccls.	USPAT	OR	ON	2009/04/21 16:11
S86	5	S85 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	USPAT	OR	ON	2009/04/21 16:11
S87	1	S86 and(light adj shielding adj unit or LED or light adj emitted adj diode or infrared adj diode)	USPAT	OR	ON	2009/04/21 16:12
S88	1	S87 and(comput$3 or processing)and blood adj vessel same image$1	USPAT	OR	ON	2009/04/21 16:12
S89	1	S88 and interface and opening and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body)adj image$1	USPAT	OR	ON	2009/04/21 16:12
S90	507	705/44.ccls.	USPAT	OR	ON	2009/04/21 16:15
S91	0	S90 and interface and(ccd or camera or image$1)and(finger adj vein or finger-vien or fingervein or blood adj vessel or living adj body or biometrics)adj image$1 and authenticat$3	USPAT	OR	ON	2009/04/21 16:15

10/24/09 3:10:54 PM
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